Title (en)

CONFORMATIONAL AND TOPOLOGICAL PROTEIN REGULATION

Title (de)

KONFORMATIONALE UND TOPOLOGISCHE PROTEIN-REGULATION

Title (fr)

REGULATION CONFORMATIONNELLE ET TOPOLOGIQUE DES PROTEINES

Publication

EP 1240526 A2 20020918 (EN)

Application

EP 00990235 A 20001215

Priority

- US 0034375 W 20001215
- US 17101299 P 19991215
- US 17235099 P 19991216

Abstract (en)

[origin: WO0144816A2] Methods and compositions are provided for identifying novel conformers of proteins not known to exist as different conformers. By using chimeric genes replacing a native signal sequence with a different signal sequence resulting in the production of a conformer, one can compare the native protein with the product of the chimeric gene. Where the conformations are different, the different protein may be used for production of antibodies, elucidation of mechanisms associated with the native and different conformer protein, assays for the presence of the different conformer in physiological samples, identification of compounds specifically binding to the conformer, particularly drugs, etc. Where the formation of the conformer is associated with a diseased state, the conformer may be used in screens to identify compounds as drug candidates.

IPC 1-7

G01N 33/68; C07K 16/18; C07K 14/47; C12N 15/00; C12N 5/00

IPC 8 full level

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CPC (source: EP US)

A01K 67/0275 (2013.01 - EP US); **C07K 14/47** (2013.01 - EP US); **C12N 15/625** (2013.01 - EP US); **C12N 15/635** (2013.01 - EP US); **C12N 15/8509** (2013.01 - EP US); **G01N 33/5008** (2013.01 - EP US); **G01N 33/502** (2013.01 - EP US); **G01N 33/5047** (2013.01 - EP US); **G01N 33/5076** (2013.01 - EP US); **G01N 33/5088** (2013.01 - EP US); **G01N 33/68** (2013.01 - EP US); **G01N 33/6842** (2013.01 - EP US); **G01N 33/6845** (2013.01 - EP US); **G01N 33/6878** (2013.01 - EP US); **G01N 33/6896** (2013.01 - EP US); A01K 2217/05 (2013.01 - EP US); A01K 2227/105 (2013.01 - EP US); A01K 2267/0343 (2013.01 - EP US); A01K 2267/0356 (2013.01 - EP US); A61K 39/00 (2013.01 - EP US); C07K 2319/02 (2013.01 - EP US); C07K 2319/033 (2013.01 - EP US); C07K 2319/04 (2013.01 - EP US); C07K 2319/61 (2013.01 - EP US); C07K 2319/75 (2013.01 - EP US)

Designated contracting state (EPC)

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